

Customer No.: 31561
Application No.: 10/691,617
Docket No.: 17956-US-PA

AMENDMENT

To the Claims:

Claim 1 (currently amended) A flat-panel display (FPD) encapsulation apparatus, at least comprising:

a chamber having an airtight space, the chamber comprising:

~~a housing received in the airtight space, which connects to the pressing mechanism, wherein the second substrate is provided in the housing and attached to one end of the pressing mechanism, and the second substrate is moved in the housing according to the pressing mechanism;~~

a curing device disposed next to the housing and having a supporting portion to support ~~[[the]]~~ a first substrate, wherein the curing device and the housing form an operating space; and

a vacuum device, adapted for decreasing the pressure of the operating space down to lower than 1 atmosphere; and

a pressing mechanism disposed within the chamber, wherein the pressing mechanism is operated in the operating space and connected to the housing; and a second substrate is provided in the housing and attached to one end of the pressing mechanism, the second substrate being movable in the housing according to the pressing mechanism.

Claims 2-3 (canceled)

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Claim 4 (previously presented) The encapsulation apparatus of claim 1, wherein the chamber further comprises:

a controlling device, which controls the vacuum device to adjust the pressure of the operating space.

Claim 5 (previously presented) The encapsulation apparatus of claim 1, further comprising:

a dispensing mechanism, which forms an adhesive on the first substrate.

Claims 6-8 (canceled)

Claim 9 (original) The encapsulation apparatus of claim 1, further comprising:

an atmosphere controlling mechanism, which controls moisture and oxygen in the airtight space.

Claim 10 (original) The encapsulation apparatus of claim 1, wherein the atmosphere controlling mechanism inputs inert gas into the airtight space to control moisture and oxygen in the airtight space.

Claims 11-20 (withdrawn)

Claim 21 (new) A flat-panel display (FPD) encapsulation apparatus, comprising:

a chamber comprising:

a basement;

a shielding, the basement and the shielding forming an airtight space and being able to stop UV light from penetrating out therefrom;

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an atmosphere controlling mechanism operationally connected to the shielding for
controlling and inputting an inert gas into the airtight space;

a housing received in the airtight space;

a curing device, cooperatively forming an operating space with the housing, the
curing device further comprising a supporting portion and an UV light source disposed
one on another; and

a vacuum device configured for venting air from the operating space to
maintaining a pressure therein lower than 1 atmosphere; and

a pressing mechanism disposed within the chamber, operated in the operating space and
connected to the housing.